

[Web](#) [Images](#) [Videos](#) [Maps](#) [News](#) [Shopping](#) [Gmail](#) [more](#)
[Sign in](#)

Google

[Advanced Scholar Search](#)
[Scholar Preferences](#)
Scholar All articles Recent articles

Results 1 - 10 of about 1,080. (0.04 sec)

Vessel extraction techniques and algorithms: A surveyC Kirbas, FKH Quek - Third IEEE Symposium on Bioinformatics and ..., 2003 - [ieeexplore.ieee.org](#)

... Sethian developed a computationally efficient Fast Marching Method (FMM ... cubic B-spline and the cross-section swept is always in the plane orthogonal to the ...

Cited by 43 - [Related articles](#) - [All 4 versions](#)**[PDF] ► Model-based quantitation of 3-D magnetic resonance angiographic images**AF Frangi, WJ Niessen, RM Hoogeveen, T ... - IEEE Transactions on Medical Imaging, 1999 - [tecn.upf.es](#)

... along the central vessel axis and orthogonal to the ... a)]. This is accomplished using marching cubes [43 ... radius while sweeping a circular cross section along the ...

Cited by 177 - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 8 versions](#)**Geometric modeling of the human normal cerebral arterial system**I Volkau, W Zheng, R Baimouratov, A Aziz, ... - IEEE transactions on medical imaging, 2005 - [ieeexplore.ieee.org](#)

... The Marching Cubes [1] is a popular method for ... of centerline are enumerated according to this direction. ... it is known that: 1) Orthogonal cross section of a ...

Cited by 19 - [Related articles](#) - [All 3 versions](#)**[PDF] ► A review of vessel extraction techniques and algorithms**C Kirbas, F Quek - ACM Computing Surveys, 2004 - [Citeseer](#)

... These are orthogonal. ... Page 16. of the gradient and in the directions of the minimum and the maximum curvature. ... All local maxima, for each vessel cross section. ...

Cited by 179 - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 8 versions](#)**On geometric modeling of the human intracranial venous system**I Volkau, TT Ng, Y Marchenko, WL Nowinski - IEEE Transactions on Medical Imaging, 2008 - [ieeexplore.ieee.org](#)

... of the segmented data using the Marching cubes algorithm ... two models to fit the cross section (orthogonal to the ... the centerline point of the cross section as the ...

Cited by 6 - [Related articles](#) - [All 2 versions](#)**[PDF] ► Model-based detection of tubular structures in 3D images**K Krissian, G Malandain, N Ayache, R Vaillant ... - Computer Vision and Image Understanding, 2000 - [Citeseer](#)... Lines [43, 44] derived from the Marching cubes [25 ... define at each point an orientation orthogonal noted \hat{j} to ... and in the plan of the cross-section that contains ...Cited by 156 - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 15 versions](#)**Extracting branching tubular object geometry via cores- ► [unc.edu](#) [PDF]**Y Fridman, SM Pizer, S Aylward, E Bullitt - Medical Image Analysis, 2004 - [Elsevier](#)

... small branch size (0.1× the cross-sectional area ... the marching algorithm presented in Section 2 gains ... now march in two mutually orthogonal directions that are ...

Cited by 14 - [Related articles](#) - [All 7 versions](#)**[CITATION] Recent developments in a ship stern flow prediction code**

M Hoekstra - ... the Fifth International Conference on Numerical Ship ...

Cited by 11 - [Related articles](#)**Quantitation of vessel morphology from 3D MRA- ► [ktupm.edu.sa](#) [PDF]**

Web Images Videos Maps News Shopping Gmail more ▾

Sign in

Google scholar "marching direction" vessel perpendicular cross-section Search Advanced Scholar Search Scholar Preferences

Scholar All articles Recent articles

Results 1 - 4 of 4. (0.09 sec)

Medical image processing apparatus, and medical image processing method

K Matsumoto - US Patent App. 10/816,978, 2004 - Google Patents

... REGION PR1 n 3 : UNIT VECTOR **PERPENDICULAR** TO REGION ... **VESSEL** IMAGE CLARIFYING PROCESS

EXTRACT UNIT **VESSEL** IMAGE c ... X- FIG.35B HT JDR ,Vt **MARCHING DIRECTION** CIM ...

All 2 versions

[PDF] ► Extracting Branching Object Geometry via Cores

Y Fridman - 2004 - cs.unc.edu

... I demonstrate the performance of the tubular core methods by extracting blood **vessel** ... variable branching structure such as blood **vessel** trees. ...

Related articles - View as HTML - All 3 versions

[PDF] ► SOLUTION ADAPTIVE MESHING STRATEGIES

NTS Kasmai - 2008 - sweethypocrisy.com

... 2.3 The extent surface is defined by lofting between two closed curves on planes **perpendicular** to the vortex axis (left). ... lies **perpendicular** to the core line. ...

View as HTML

Automatic 5-axis NC toolpath generation

SE Sarma, M Balasubramaniam - 2001 - dspace.mit.edu

Page 1. Automatic 5-axis NC toolpath generation BY Mahadevan Balasubramaniam

B. Tech., Indian Institute of Technology, Madras (1997 ...

Related articles - All 2 versions

"marching direction" vessel perpendicular Search

Go to Google Home - About Google - About Google Scholar

©2009 Google

[Web](#) [Images](#) [Videos](#) [Maps](#) [News](#) [Shopping](#) [Gmail](#) [more](#)
[Sign in](#)

Google

marching direction vessel perpendicular cross-

[Advanced Scholar Search](#)
[Scholar Preferences](#)
Scholar All articles Recent articles

Results 1 - 10 of about 746. (0.08 sec)

Fast delineation and visualization of vessels in 3-D angiographic imagesO Wink, WJ Niessen, MA Viergever - IEEE Transactions on Medical Imaging, 2000 - [ieeexplore.ieee.org](#)

... JD Furst, S. Pizer, and D. Eberly, "Marching cores: A ... of width, con- trast and
 ... directional direction in 2D ... V. Prinet and O. Monga, "Vessel representation in ...

Cited by 132 - Related articles - BL Direct - All 5 versions

[PDF] ► Improved phase-contrast flow quantification by three-dimensional vessel localizationM Zhao, FT Charbel, N Alperin, F Loth, ME ... - Magnetic resonance imaging, 2000 - [tigger.uic.edu](#)

... the vessel diameter, with misalignment of flow direction in relation ... mesh was generated
 using a marching- cube algorithm ... For an axial cut, the 2D vessel image was ...

Cited by 47 - Related articles - View as HTML - BL Direct - All 9 versions

[PDF] ► Model-based quantitation of 3-D magnetic resonance angiographic imagesAF Frangi, WJ Niessen, RM Hogeveen, T ... - IEEE Transactions on Medical Imaging, 1999 - [tecn.upf.es](#)

... since both span the vessel in the longitudinal direction. ... a)]. This is accomplished
 using marching cubes [43 ... plane perpendicular to the central vessel axis (Fig ...

Cited by 177 - Related articles - View as HTML - BL Direct - All 8 versions

An interactive cerebral blood vessel exploration system- ► [ub.es](#) [psa](#)A Puig, D Tost, I Navazo - Proceedings of the 8th conference on Visualization'97, 1997 - [portal.acm.org](#)

... Marching Cubes (MC) [GKJSO] and Dividing Cubes (DC) [CLKJSO ... by an oriented graph
 in the direction of the ... the graph edges represent the vessel sections between ...

Cited by 21 - Related articles - All 8 versions

[PDF] ► A review of vessel extraction techniques and algorithmsC Kirbas, F Quek - ACM Computing Surveys, 2004 - [Citeseer](#)

... Page 16. of the gradient and in the directions of the minimum and the maximum curvature.
 Directional ... All local maxima, for each vessel cross section, ...

Cited by 179 - Related articles - View as HTML - BL Direct - All 8 versions

Quantitation of vessel morphology from 3D MRA- ► [kfupm.edu.sa](#) [PDF](#)

AF Frangi, WJ Niessen, RM Hogeveen, T ... - Lecture Notes in Computer Science, 1999 - Springer

... axis since both span the vessel in the longitudinal direction. ... is generated (Figure
 1(a)) using marching cubes [14 ... by manually drawing a central vessel axis and ...

Cited by 18 - Related articles - BL Direct - All 7 versions

Single-seeded coronary artery tracking in CT angiographyG Lavi, J Lessick, PC Johnson, D Khullar - 2004 IEEE Nuclear Science Symposium Conference ..., 2004 - [ieeexplore.ieee.org](#)

... models, level sets and fast marching methods are ... represents the updated mean vessel
 direction, represented by ... deviation of either local or regional direction. ...

Cited by 6 - Related articles

[PDF] ► Scattering computation from the target with lossy backgroundAR Mallahzadeh, M Soleimani, J Rashed- ... - Progress in Electromagnetics Research - [ceta.mit.edu](#)

... defined as the range m. We shall use the marching technique to solve the discrete ...

Figure 8. RCS results for the ship in the forward direction in 300MHz. ...